

**IN THE ABSTRACT:**

Please replace the Abstract of the Disclosure originally filed with the above-identified patent application with the following amended Abstract of the Disclosure:

A fuel cell system including a fuel cell stack is capable of raising the temperature of a fuel cell stack to a predetermined temperature within a short time without decreasing methanol fuel utilization efficiency. During system startup, the concentration of methanol aqueous solution which is to be supplied to the fuel cell stack is detected by a concentration sensor, and the temperature of the fuel cell stack is detected by a temperature sensor. A target concentration of methanol aqueous solution is determined by making reference to data stored in a memory, which indicates correspondence between the temperature of the fuel cell stack and the target concentration of methanol aqueous solution, and based on the temperature of the fuel cell stack detected by the temperature sensor. ~~The amount of input of methanol fuel is determined based on the concentration of the methanol aqueous solution and the target concentration, and the determined amount of the methanol fuel is inputted to the methanol aqueous solution. The amount of input of the methanol fuel may be determined based on the temperature of the fuel cell stack, by using a feedback control so that the temperature of the fuel cell stack will reach the target temperature.~~